

# **The Freight Car Supply Problem and Car Rental Policies**

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 10 April 1987

Organizational, Direct Support and  
General Support Maintenance  
Repair Parts and Special Tools List  
(Including Depot Maintenance Repair Parts and Special Tools)

For

AIR CONDITIONER, VERTICAL COMPACT, 18,000 BTU  
208 VOLTS, THREE PHASE, 400 HERTZ  
(WEDJ MODEL VM 18000-400)  
NSN 4120-00-152-1150

TM 5-4120-350-24P, 2 November 1979, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

Remove pages

i/ii  
9 through 12  
17 through 20  
29 and 30  
33 through 35

Insert pages

i/ii  
9 through 12  
17 through 20  
29 and 30  
33 through 35

2. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

Official:

**R. L. DILWORTH**  
*Brigadier General, United States Army*  
*The Adjutant General*

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Support and General Support Maintenance  
Vertical Compact, 18,000 BTU, 208V, 400HZ

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 25 November 1983

ORGANIZATIONAL, DIRECT SUPPORT AND  
GENERAL SUPPORT MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)  
FOR

AIR CONDITIONER, VERTICAL COMPACT, 18,000 BTU  
208 VOLTS, THREE PHASE, 400 HERTZ  
(WEDJ MODEL VM 18000-400)  
NSN-4120-00-152-1150

TM 5-4120-350-24P, 2 November 1979, is changed as follows:

1. Remove and insert pages as indicated below.

	Remove pages	Insert pages
Section II	7 and 8 29 and 30	7 and 8 29 and 30

2. New or changed material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

3. Retain this sheet in front of manual for reference purposes.

Order of the Secretary of the Army:

**JOHN A. WICKHAM, JR.**  
*General, United States Army*  
*Chief of Staff*

Official:

**ROBERT M. JOYCE**  
*Major General, United States Army*  
*The Adjutant General*

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25C, Organizational Maintenance Requirements for Environmental Equipment, Air Conditioners, 18,000 BTU Compact.

## Section I. INTRODUCTION

### 1. Scope.

This Manual lists repair parts, special tools, test, measurement, and diagnostic equipment (TMDE), and other support equipment required for operation and performance of organizational, direct support, general support and depot maintenance of the Air Conditioner.

### 2. General.

**a. Section II - Repair Parts List.** A list of repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of assembly groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence. Bulk materials are listed in NSN sequence, as the list group in Section II.

**b. Section III - Special Tools List.** Not applicable.

**c. Section IV - National Stock Number and Part Number Index.** A list, in ascending numerical sequence, of all National Stock Numbers (NSN) appearing in the listings, followed by a list, in alphanumeric sequence of all part numbers appearing in the listings. National Stock Number and part numbers are cross-referenced to each illustration figure and item number appearance.

### 3. Explanation of Columns.

The following provides an explanation of columns found in the tabular listing.

**a. Illustration.** This column is divided as follows:

**(1) Figure Number.** Indicates the figure number of the illustration in which the item is shown.

**(2) Item Number.** The number used to identify each item called out in the illustration.

### **b. Source, Maintenance, and Recoverability Codes (SMR).**

**(1) Source Code.** Source codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	Definition
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which, because of probable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later time.
KD	An item of a depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.

Code	Definition
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at organizational level.
MF	Item to be manufactured or fabricated at the direct support maintenance level.
MH	Item to be manufactured or fabricated at the general support maintenance level.
MD	Item to be manufactured or fabricated at the depot support maintenance level.
AO	Item to be assembled at organizational level.
AF	Item to be assembled at direct support maintenance level.
AH	Item to be assembled at general support maintenance level.
AD	Item to be assembled at depot maintenance level.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB	Item is not procured or stocked. If not available through salvage, requisition.
XD	A support item that is not stocked. When required, item will be procured through normal supply channels.

#### NOTE

*Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA or XP.*

(2) **Maintenance Code.** Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the fourth position will indicate one of the following levels of maintenance:

Code	Definition
C	Crew or operator maintenance performed

	within organizational maintenance.
O	Support item is removed, replaced, used at the organizational level.
F	Support item is removed, replaced, used at the direct support level.
H	Support item is removed, replaced, used at the general support level.
D	Support items that are removed, replaced, used at depot, mobile depot, specialized repair activity only.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code	Application/Explanation
O	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F	The lowest maintenance level capable of complete repair of the support item is the direct support level.
H	The lowest maintenance level capable of complete repair of the support item is the general support level.
D	The lowest maintenance level capable of complete repair of the support item is the depot level.
L	Repair restricted to designated Specialized Repair Activity.
Z	Nonrepairable. No repair is authorized.
B	No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(3) **Recoverability Code.** Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability Codes	Definition
Z	Nonrepairable item

cated in position 3.

- O Reparable item. When uneconomically reparable, condemn and dispose at organizational level.
- F Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.
- H Reparable item. When uneconomically reparable, condemn and dispose at the general support level.
- D Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
- L Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level.
- A Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

**c. National Stock Number.** Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

**d. Part Number.** Indicates the primary number used by the manufacturer which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

#### NOTE

*When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.*

**e. Federal Supply Code for Manufacturer (FSCM).** The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

**f. Description.** Indicates the Federal item name and, if required, a minimum description to identify the item. Items that are included in kits and sets are listed below the name of the kit or set with the quantity of each item in the kit or set indicated in the quantity incorporated in unit column. When the part to be used differs between special

numbers of the same model, the effective serial numbers are shown as the last line of the description. In the Special Tools List, the initial basis of issue (BOI) appears as the last line in the entry for each special tool, special TMDE, and other special support equipment. When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increased accordingly.

**g. Unit of Measure (U/M).** Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in., pr, etc.). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

**h. Quantity Incorporated in Unit.** Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that no specific quantity is applicable (e.g., shims, spacers, etc.).

#### 4. Special Information.

**a.** Repair parts kits and gasket sets appear as the last entries in the repair listing for the figure in which its parts are listed as repair parts.

**b.** The following publications pertain to Air Conditioner and its components:

TM 5-4120-350-14, Operational and Organizational Maintenance Manual.

#### 5. How to Locate Repair Parts.

**a. When National Stock Number or Part Number is Unknown:**

(1) **First.** Using the table of contents, determine the assembly group within which the repair part belongs. This is necessary since illustrations are prepared for assembly groups, and listings are divided into the same groups.

(2) **Second.** Find the illustration covering the assembly group to which the repair part belongs.

(3) **Third.** Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(4) **Fourth.** Using the Repair Parts Listing, find the figure and item number noted on the illus-

**b. When National Stock Number or Part Number is Known.**

(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in ascending NSN sequence followed by a list of part numbers in ascending alphanumeric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure number, locate the figure and item number repair parts list.

**6. Abbreviations.**

<i>Abbreviations</i>	<i>Explanation</i>
deg	degree(s)
ea	each
ft	feet(foot)
grp	group
id	inside diameter
in.	inch (es)
lg	long (length)
mtg	mounting (s)
No.	Number (s)
od	outside diameter
u/w	used with





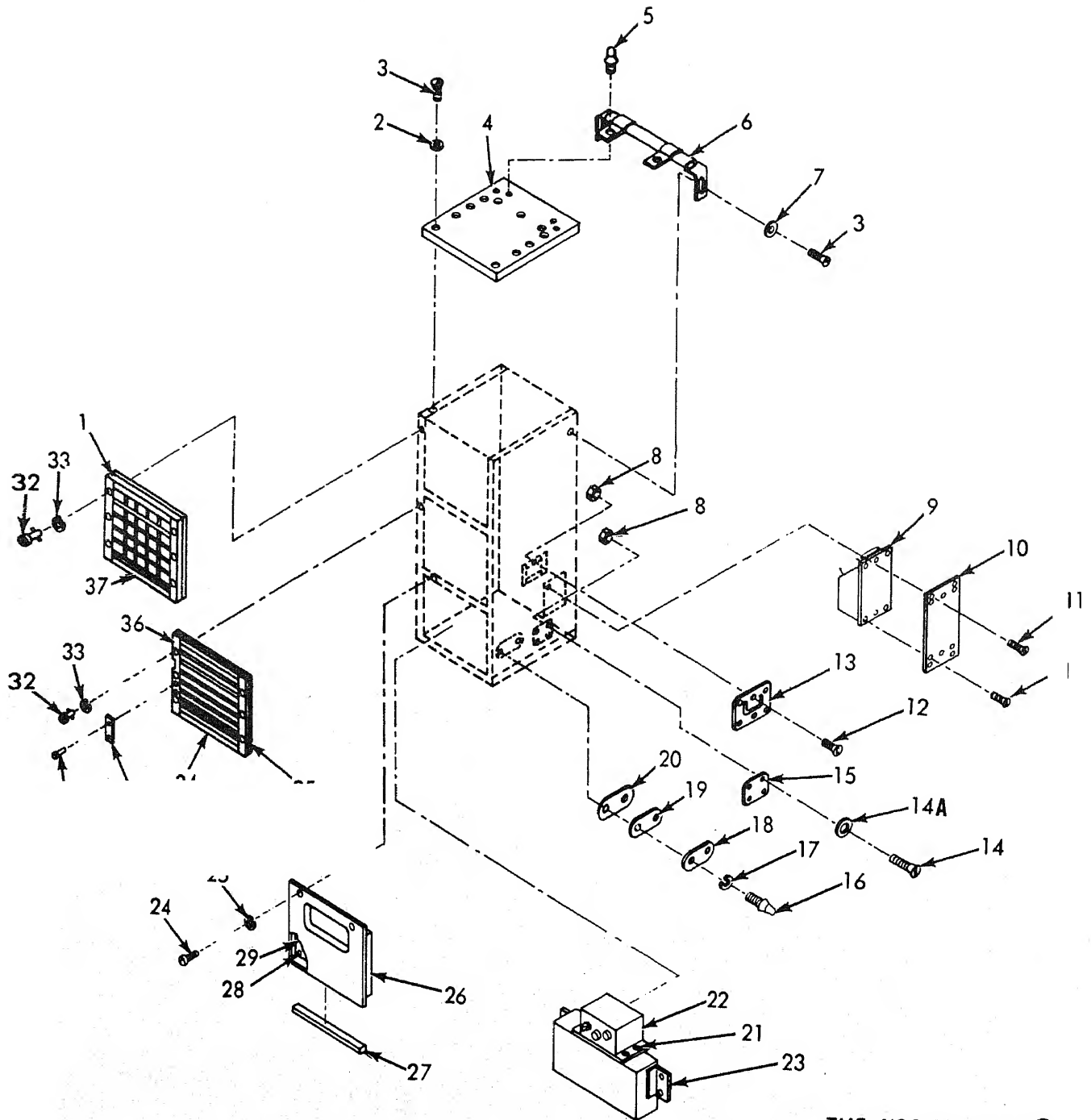


Figure 1. Body Chassis, Panels, Grilles, Screens, and Air Filter (Sheet 1 of 3).

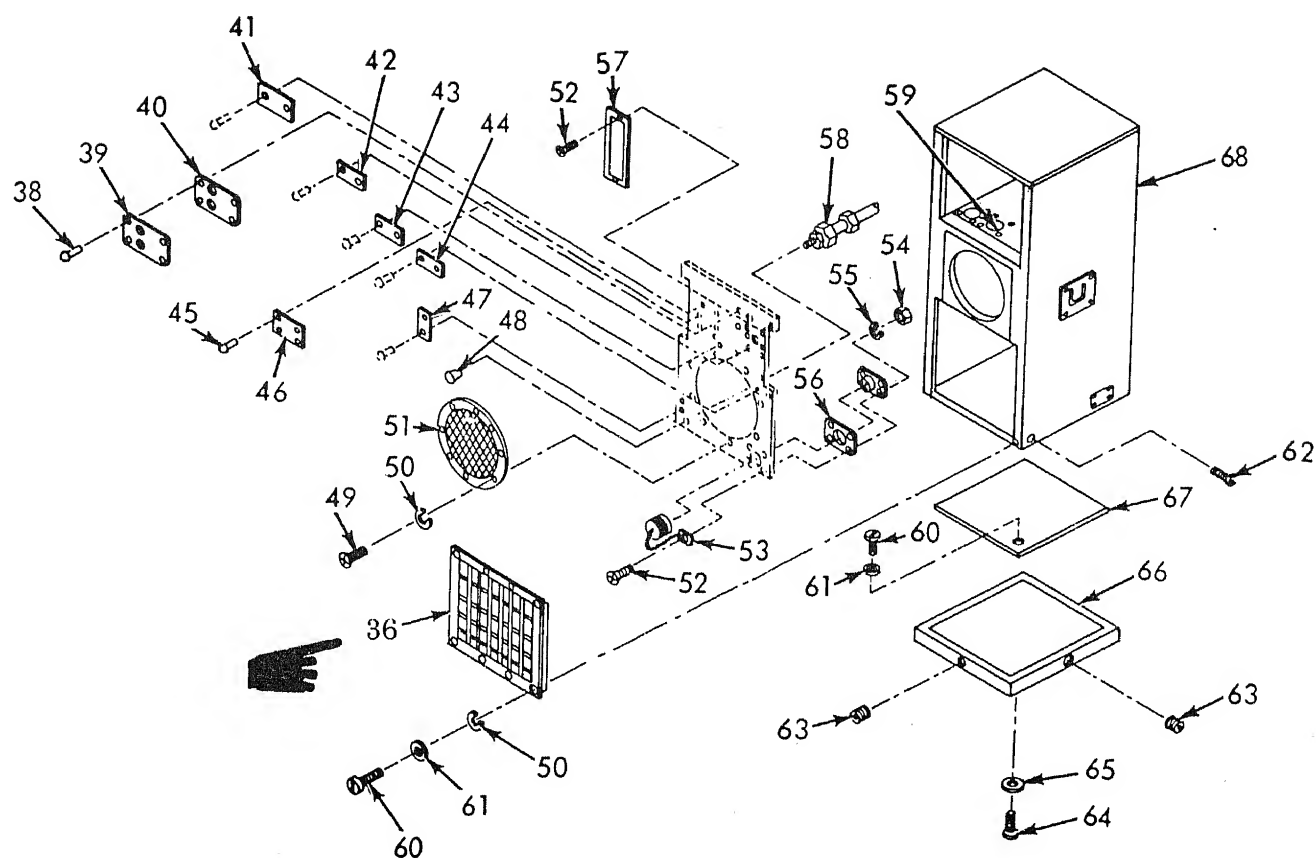


Figure 1. Body Chassis, Panels, Grilles, Screens and Air Filter (Sheet 2 of 3).

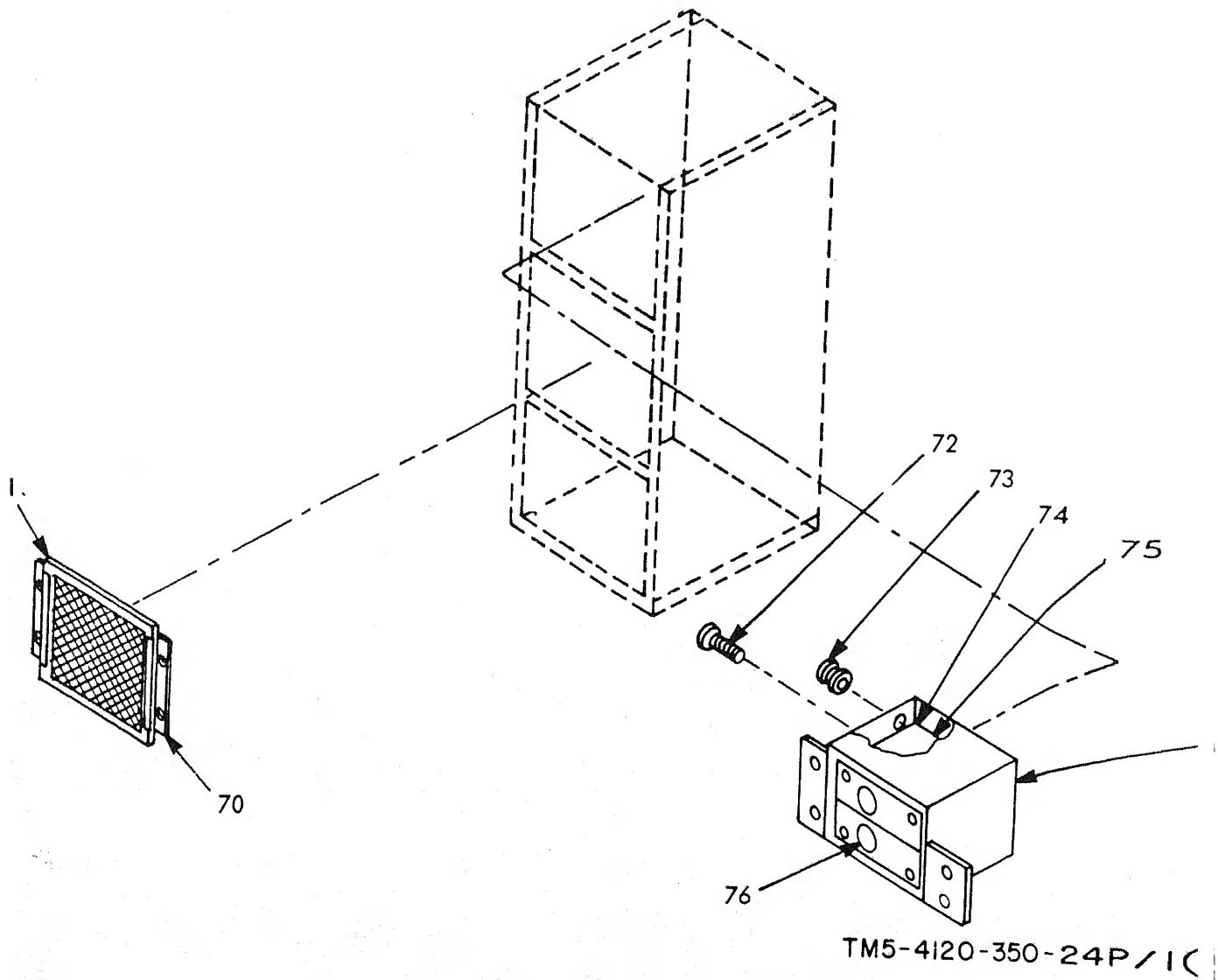
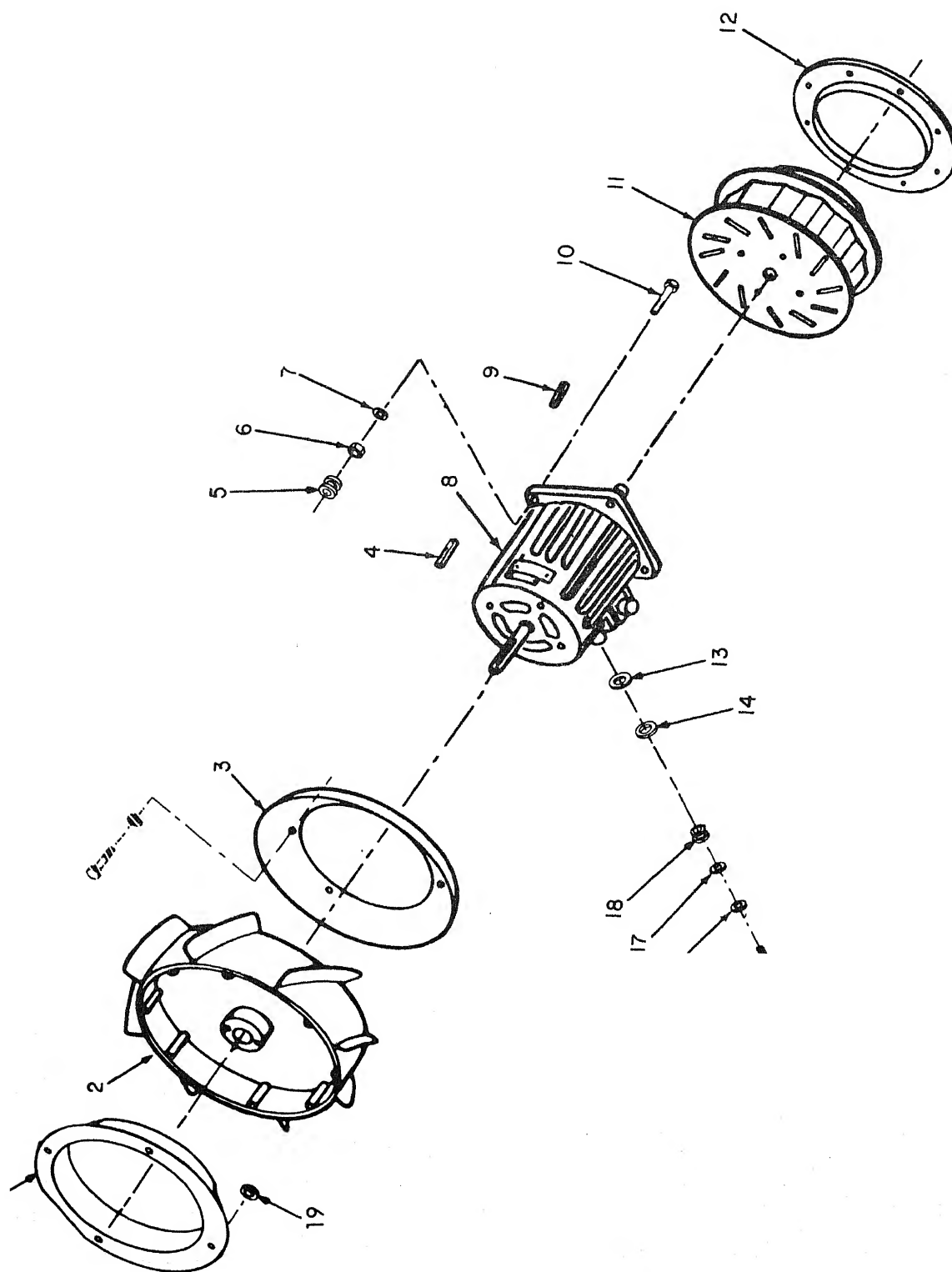


Figure 1. Body Chassis, Panels, Grilles, Screens, and Air Filter (Sheet 3 Of 3).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						SECTION II. REPAIR PARTS LIST GROUP 01 - BODY, CHASSIS, PANELS, GRILLES, SCREENS AND AIR FILTER		
1	1	XBOZE		13215E9857	97403	GRILLE,METAL	EA	1
1	2	PAOZE	5330-00-170-0127	MS1523C08F	80205	PACKING,PREFORMED	EA	13
1	3	PAOZE	5305-00-984-6193	MS35206-245	96906	SCREW,MACHINE	EA	13
1	4	XBOZE		13215E9892	97403	PANEL, TOP	EA	1
1	5	PAOZE	5325-00-990-4249	13214E3647-2	97403	FASTENER, TURNBUTTON	EA	2
1	6	PAOZE	4130-01-051-7436	13217E2346	97403	OVER	EA	1
1	7	PAOZE	5310-00-765-3197	MS27183-41	96906	NER, PLAT	EA	29
1	8	PAOZE	5310-00-877-5798	MS21044D3	96906	NUT, SELF-LOCKING	EA	12
1	9	PAOZE	5915-01-051-2774	13218E9877	97403	FILTER, RF	EA	1
1	10	XBOZE		13220E5618	97403	PLATE, RETAINER	EA	1
1	11	PAOZE	5305-00-989-7435	MS35207-264	96906	SCREW, MACHINE	EA	14
1	12	PAOZE	5305-00-984-7341	MS35191-273	96906	SCREW, MACHINE	EA	12
1	13	XBOZE		MS35792-1	96906	HANDLE, BAIL	EA	2
1	14	PAOZE	5305-00-984-6193	MS35206-245	96906	SCREW, MACHINE	EA	6
1	14A	PAOZE	5310-00-045-4007	MS35330-41	96906	WASHER, LOCK	EA	4
1	15	XBOZE		13214E3471-5	97403	COVER	EA	3
1	16	XBOZE		13215E9909-10	97403	STUD, TURNLOCK	EA	2
1	17	PAOZE	5310-00-530-9963	13211E8386	97403	WASHER, LOCK	EA	2
1	18	XBOZE		13217E2343-1	97403	PLATE	EA	1
1	19	XBOZE		13217E2343-4	97403	GASKET	EA	1
1	20	XBOZE		13217E2343	97403	PANEL, ACCESS	EA	1
1	21	PAOZE	5305-00-989-7435	MS35207-264	96906	SCREW, MACHINE	EA	10
1	22	PBOZE	4120-01-062-0698	13218E8492-1	97403	CONTROL PANEL ASSEMBLY	EA	1
1	23	PF000		13217E2366-2	97403	JUNCTION BOX	EA	1
1	24	PAOZE	5305-00-984-7441	13214E3744W34	97403	SCREW, PANEL	EA	2
1	25	PAOZE	5310-00-880-9344	13211E8337	97403	WASHER, RETAINING	EA	2
1	26	XBOZE		13215E9837	97403	PANEL, LOWER	EA	1
1	27	XBOZE		13218E9879-2	97403	GASKET	EA	1
1	28	PAOZE	5320-00-117-6828	MS20470AD4-6	96906	RIVET, SOLID	EA	12
1	29	XBOZE		13215E9878-3	97403	PLATE, INSTRUCTION	EA	2
1	30	PAOZE	5320-00-117-6938	MS20426AD3-4	96906	RIVET, SOLID	EA	2
1	31	XBOZE		13217E2344	97403	PLATE, INSTRUCTION	EA	1
1	32	PAOZE	5325-00-938-5913	13215E9909-17	97403	STUD, TURNLOCK	EA	12
1	33	PAOZE	5310-00-530-9963	13211E8396	97403	WASHER, LOCK	EA	12
1	34	XBOZE		13211E8210	97403	GRILLE, INTAKE	EA	1
1	35	XBOZE		11ASOFT	81349	RUBBER, SHEET	FT	12
1	36	XBOZE		13215E9854	97403	GRILLE, METAL	EA	1
1	37	XBOZE		13217E6853	97403	GRILLE, DISCHARGE	EA	1
1	38	PAOZE	5320-00-845-9501	MS20600B4W4	96906	RIVET, BLIND	EA	4
1	39	XBOZE		13215E9847	97403	PLATE, INSTRUCTION	EA	1
1	40	XBOZE		13215E9852	97403	GASKET	EA	1

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M
						UNABLE ON CODE	
1	41	XBOZZ		13215E9844	97403	PLATE, INSTRUCTION	EA
1	42	XBOZZ		13211E8215	97403	PLATE, INSTRUCTION	EA
1	43	XBOZZ		13211E8216	97403	PLATE, INSTRUCTION	EA
1	44	XBOZZ		13215E9917	97403	PLATE, INSTRUCTION	EA
1	45	PAOZZ	5320-00-845-9501	MS20600B4W4	96906	RIVET, TUBULAR	EA
1	46	XBFZZ		13215E9860-4	97403	PLATE	EA
1	47	XBOZZ		13220E5617	97403	PLATE, INSTRUCTION	EA
1	48	XBOZZ		13217E6816	97403	KNOB	EA
1	49	PAOZZ	5305-00-984-6195	MS35206-247	96906	SCREW, MACHINE	EA
1	50	PAOZZ	5310-00-045-3299	MS35338-42	96906	WASHER, LOCK	EA
1	51	XBOZZ		13211E8183	97403	GUARD, PAN	EA
1	52	PAOZZ	5305-01-025-5771	MS35206-217	96906	SCREW, MACHINE	EA
1	53	XBOZZ		MS25043-220	96906	COVER, ELECTRICAL	EA
1	54	PAOZZ	5310-00-934-9739	MS35649-242	96906	NUT, PLAIN, HEXAGON	EA
1	55	PAOZZ	5310-00-543-2410	MS35338-40	96906	WASHER, LOCK	EA
1	56	XBOZZ		MS51007-8	96906	GASKET	EA
1	57	XBOZZ		13215E9858	97403	SCREEN, AIR	EA
1	58	XBOZZ		13217E6815-3	97403	CONTROL ASSEMBLY	EA
1	59	XBOZZ		13214E3471-2	97403	COVER	EA
1	60	PAOZZ	5305-00-984-6196	MS35206-248	96906	SCREW, MACHINE	EA
1	61	PAOZZ	5310-00-045-3296	MS35338-43	96906	WASHER, LOCK	EA
1	62	PAOZZ	5305-00-993-1848	MS35207-265	96906	SCREW, MACHINE	EA
1	63	PAOZZ	4730-00-007-9399	13211E8178	97403	PLUG, PIPE	EA
1	64	PAOZZ	5305-00-068-0514	MS90727-7	96906	SCREW, CAP, HEXAGON HEAD	EA
1	65	PAOZZ	5310-00-543-2009	MS15795-710	96906	WASHER, FLAT	EA
1	66	XBOZZ		13215E9865	97403	PANEL, BOTTOM	EA
1	67	XBFZZ		13219E2655	97403	BAR, FILLER	EA
1	68	XBFZZ		13215E9825	97403	CASING	EA
1	69	XBOZZ		13215E9841	97403	COVER, SWITCH	EA
1	70	XBOZZ		13215E9823	97403	RETAINER, FILTER	EA
1	71	PAOZZ	4130-00-981-6615	13211E8224	97403	FILTER	EA
1	72	PAOZZ	5305-00-984-4984	MS35206-227	96906	SCREW, MACHINE	EA
1	73	PAFZZ	5325-00-263-6632	MS35489-6	96906	GROMMET	EA
1	74	PAFZZ	5930-00-463-3064	13216E7690-1	97403	SWITCH, PRESSURE	EA
1	75	PAFZZ	5930-00-275-7800	13211E8404	97403	SWITCH, PRESSURE	EA
1	76	PAFZZ	5930-00-911-9095	13214E4309	97403	SWITCH, PRESSURE	EA
1		PAOZZ	5935-00-846-2328	MS3106R22-225	96906	CONNECTOR, PLUG	EA
1		PAOZZ	5935-00-087-1667	MS3106R22-22P	96906	CONNECTOR, PLUG	EA



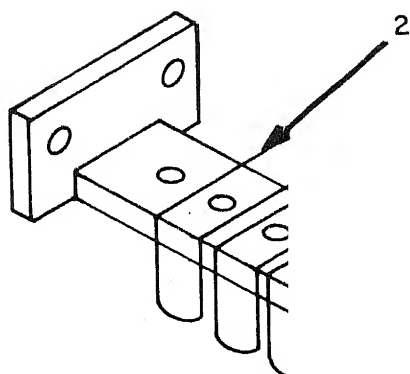
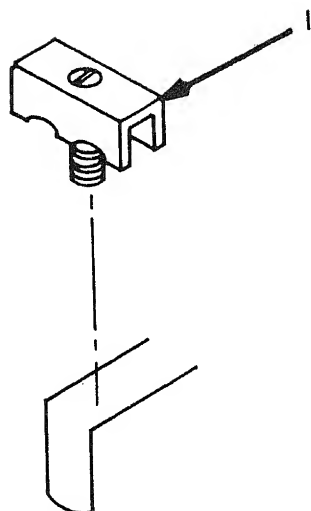
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Figure 2. Fans and Motor.

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
GROUP 02 - FANS								
2	1	XBO11		13211E8221	97403	MOUNTING FAN	EA	1
2	2	PAO31	4140-00-550-2994	13215E9868	97403	IMPELLER, FAN, CENTRIFUGAL	EA	1
2	3	XBO31		13211E3802	97403	RAFFLE	EA	1
2	4	PAO31	5315-00-730-4564	MS20066-143	96906	KEY, MACHINE	EA	1
GROUP 03 - MOTOR								
2	5	XBP11		13211E8300-1	97403	GROMMET	EA	4
2	6	PAO31	5310-00-889-2543	MS21045-04	96906	NUT, SELF-LOCKING	EA	4
2	7	PAO31	5310-00-809-4058	MS27183-10	96906	WASHER, FLAT	EA	4
2	8	PAO31	6105-01-038-8309	13214E3728-6	97403	MOTOR, ALTERNATING CURRENT	EA	1
2	9	PAO31	5315-00-730-4577	MS20066-147	96906	KEY, MACHINE	EA	1
2	10	PAO31	5305-00-957-2640	MS35191-294	96906	SCREW, MACHINE	EA	4
2	11	PAO31	6150-00-929-5561	13226E5892	97403	FAN, AXIAL, MULTI-WING	EA	1
2	12	XBO31		13211E8356	97403	ISOLATOR, MOTOR	EA	1
2	13	PAO31	5310-00-809-4061	MS27183-15	96906	WASHER, FLAT	EA	2
2	14	XBO31		13211E8376-5	97403	SPACER, SLEEVE	EA	4
2	15	PAO31	5305-00-881-0705	MS51975-17	96906	SCREW, SHOULDER	EA	2
2	16	PAO31	5310-00-959-4675	MS35340-46	96906	WASHER, LOCK	EA	6
2	17	PAO31	5310-00-080-6004	MS27183-14	96906	WASHER, FLAT	EA	2
2	18	XBO31		13211E8300-2	97403	GROMMET	EA	2
2	19	PAO31	5310-00-401-1420	13215E9824-1	97403	WASHER, FLAT	EA	2

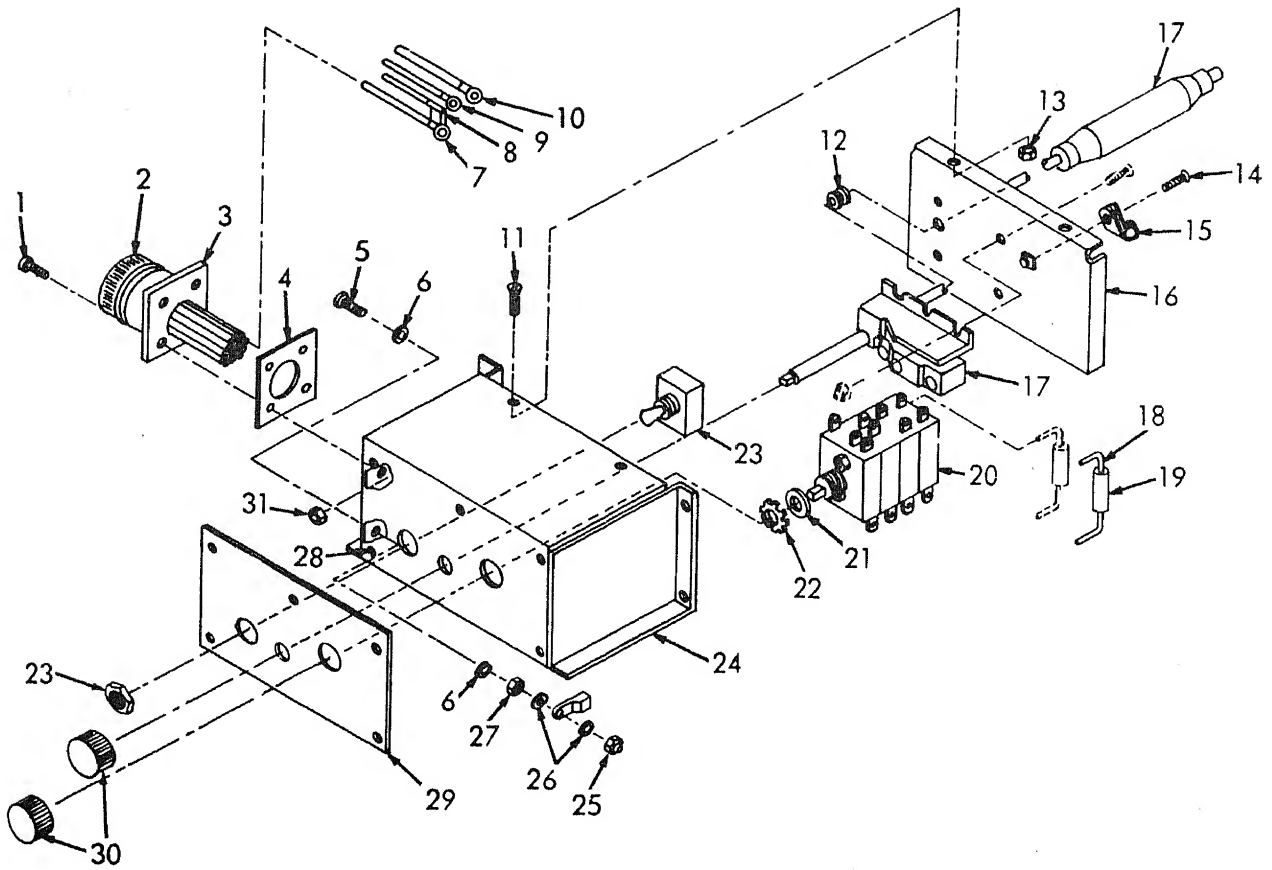
12 Change 2





TM5-4120-350-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(A) FIG NO.	(B) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 04 - HEATING SYSTEM		
3	1	XBOZZ		13214E3416	97403	CLAMP	EA	6
3	2	PAOZZ	4130-00-878-0103	13211E8353-1	97403	ELECTRIC HEATER	EA	6



TM5-4120-350-24P/4①

Figure 4. Control Box (Sheet 1 of 2).

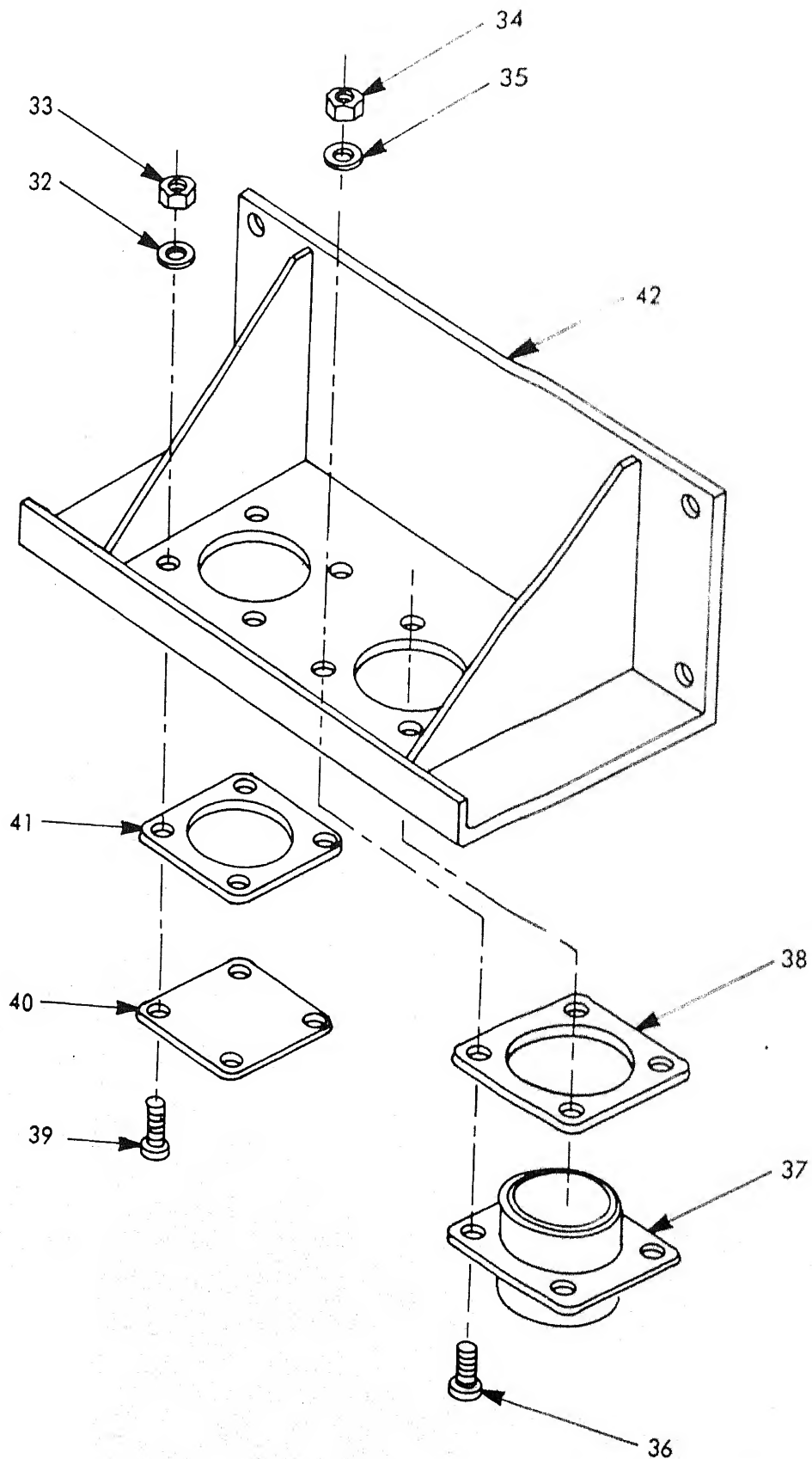


Figure 4. Control Box (Sheet 2 of 2).

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
TABLE ON CODE								
GROUP 05 - ELECTRICAL CONTROLS								
4	1	PAOZZ	5305-00-889-3001	13211E8353-1	97403	SCREW, MACHINE	EA	1
4	2	PAOZZ	5935-00-818-7448	MS3102R28-11P	96906	CONNECTOR, RECEPTACLE	EA	1
4	3	XBOZZ		13215E9853	97403	WIRING HARNESS	EA	1
4	4	XBOZZ		MS51007-10	96906	GASKET	EA	1
4	5	PAOZZ	5305-00-995-3444	MS35207-266	96906	SCREW, MACHINE	EA	1
4	6	PAOZZ	5310-00-802-8544	MS15795-709	96906	WASHER, FLAT	EA	2
4	7	XBOZZ		MS25036-106	96906	TERMINAL LUG	EA	2
4	8	PAOZZ	5940-00-143-4700	MS25036-108	96906	TERMINAL LUG	EA	1
4	9	PAOZZ	5940-00-143-4774	MS25036-153	96906	TERMINAL LUG	EA	3
4	10	XBOZZ		13211E8288	97403	TERMINAL LUG	EA	17
4	11	PAOZZ	5305-00-984-6195	MS35206-247	96906	SCREW, MACHINE	EA	8
4	12	XBOZZ		MS35489-1	96906	GROMMET, RUBBER	EA	1
4	13	PAOZZ	5310-00-889-2549	MS21045-08	96906	NUT, PLAIN, HEXAGON	EA	8
4	14	PAOZZ	5305-00-989-6265	MS35207-262	96906	SCREW, MACHINE	EA	1
4	15	XBOZZ		MS21105-6	96906	CLAMP, LOOP	EA	1
4	16	XBOZZ		13218E8494	97403	PANEL, REAR	EA	1
4	17	PAOZZ	5930-00-923-4176	13211E8301-1	97403	THERMOSTAT	EA	1
4	18	XBOZZ		MIL123053-5	81349	INSULATION SLEEVING	EA	1
4	19	PAOZZ	5905-00-252-1047	RCR32G274JS	81349	RESISTOR, FIXED 1W, 270K, 5%	EA	3
4	20	PAOZZ	5930-00-236-2351	13216E6201	97403	SWITCH, ROTARY	EA	1
4	21	PAOZZ	5310-00-080-6004	MS27183-14	96906	WASHER, FLAT	EA	1
4	22	PAOZZ	5310-00-627-6128	MS35335-35	96906	WASHER, LOCK	EA	1
4	23	PAOZZ	5930-00-683-1628	MS24523-22	96906	SWITCH, TOGGLE	EA	1
4	24	XBOZZ		13218E8493	97403	PANEL, CONTROL	EA	1
4	25	PAOZZ	5310-00-061-7326	MS21045-3	96906	NUT, SELF-LOCKING	EA	1
4	26	PAOZZ	5310-00-809-8546	MS27183-8	96906	WASHER, FLAT	EA	2
4	27	PAOZZ	5310-00-934-9751	MS35650-302	96906	NUT, PLAIN, HEXAGON	EA	1
4	28	XBOZZ		13218E8495	97403	PLATE, INSTRUCTION	EA	1
4	29	PAOZZ	5320-00-582-3304	MS20600AD4W2	96906	RIVET, BLIND	EA	5
4	30	XBOZZ		MS91528-2P4B	96906	KNOB	EA	2
4	31	PAOZZ	5310-00-889-2544	MS21045-06	96906	NUT, SELF-LOCKING	EA	1
4		PAOZZ	4130-00-550-2995	13215E9885	97403	BLOCK OFF ASSEMBLY	EA	1
4	32	PAOZZ	5310-00-950-1310	MS27183-4	96906	WASHER, FLAT	EA	4
4	33	PAOZZ	5310-00-889-2543	MS21045-04	96906	NUT, SELF-LOCKING	EA	4
4	34	PAOZZ	5310-00-889-2544	MS21045-06	96906	NUT, SELF-LOCKING	EA	4
4	35	PAOZZ	5310-00-082-1404	MS27183-6	96906	WASHER, FLAT	EA	4
4	36	PAOZZ	5305-00-889-3001	MS35206-231	96906	SCREW, MACHINE	EA	4
4	37	PAOZZ	5935-00-846-2328	MS3106R22-228	96906	CONNECTOR PLUG	EA	1
4	38	PAOZZ	5330-00-828-3628	MS51007-10	96906	GASKET	EA	1
4	39	PAOZZ	5305-00-983-6730	MS35206-218	96906	SCREW, MACHINE	EA	4
4	40	XBOZZ		13214E3471-5	97403	COVER	EA	1
4	41	XBOZZ		MS51007-8	96906	GASKET	EA	1

TM5-4120-350-24P

(1) ILLUSTRATION		(2) SMR CODE	(3) FEDERAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION  USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
4	42	XBOZZ		13215E9851	97403	BLOCK OFF	EA	1

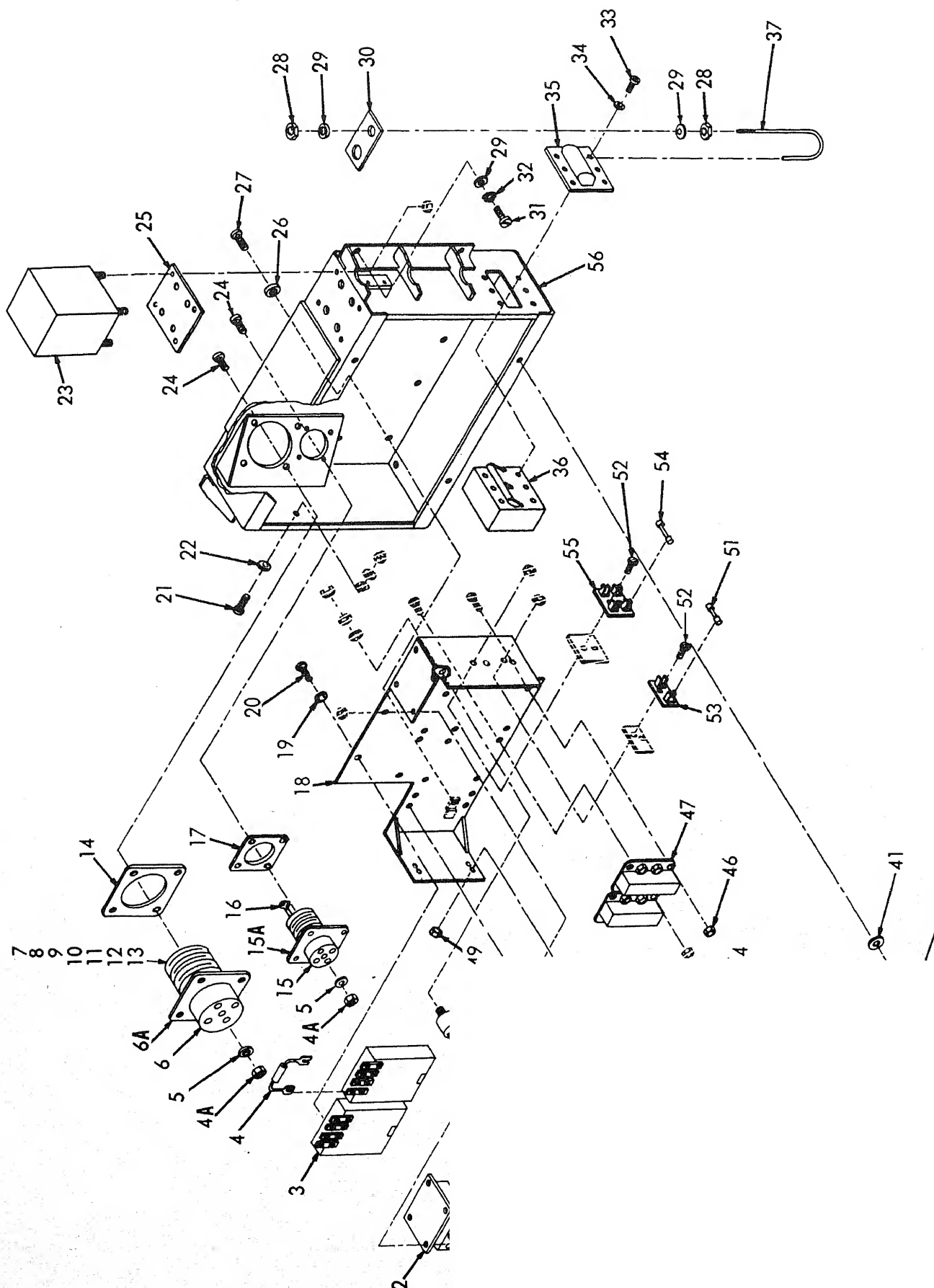


Figure 5. Junction Box.

TMS-4120-350-24P					(6)	(7)	(8)	
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7) U. M.	(8) QTY INC IN UNIT
(a) FIG NO	(b) ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM			
GROUP 06 - STARTING AND PROTECTIVE DEVICES								
5	1	PAOZZ	5305-00-984-4988	MS35206-228	96906	SCREW, MACHINE	EA	4
5	2	PAOZZ	5945-00-007-7669	13216E6182-3	97403	RELAY, TIME DELAY	EA	1
5	3	PAOZZ	5945-00-430-6933	13215E9921	97403	RELAY, ELECTROMAGNET	EA	2
5	4	PAOZZ	5961-01-055-2188	13215E9881	97403	SEMICONDUCTOR, DEVICE	EA	1
5	4A	PAOZZ	5310-00-889-2549	MS21045-08	96906	NUT, SELF-LOCKING	EA	1
5	5	PAOZZ	5310-00-765-3197	MS27183-41	96906	WASHER, FLAT	EA	4
5	6	XBOZZ		13215E9879	97403	WIRING HARNESS	EA	1
5	6A	PAOZZ	5935-00-824-7883	MS3102R36-75	96906	CONNECTOR, RECEPTACLE	EA	1
5	7	XBOZZ		13216E6191-2	97403	TERMINAL LUG	EA	4
5	8	XBOZZ		13216E6191-3	97403	TERMINAL LUG	EA	4
5	9	XBOZZ		13216E6192	97403	TERMINAL LUG	EA	2
5	10	PAOZZ	5940-00-143-4774	MS25036-153	96906	TERMINAL LUG	EA	39
5	11	PAOZZ	5940-00-143-4780	MS25036-108	96906	TERMINAL LUG	EA	25
5	12	PAOZZ	5940-00-143-4780	MS25036-108	96906	TERMINAL LUG	EA	12
5	13	PAOZZ	5920-00-133-0451	MS25036-112	96906	TERMINAL LUG	EA	17
5	14	XBOZZ		MS51007-13	96906	GASKET	EA	1
5	15	XBOZZ		13215E9866	97403	WIRING HARNESS	EA	1
5	15A	PAOZZ	5935-00-804-5816	MS3102R22-22P	96906	CONNECTOR, RECEPTACLE	EA	1
5	16	PAOZZ	5925-00-133-0451	MS25036-112	96906	TERMINAL LUG	EA	4
5	17	XBOZZ		MS51007-8	96906	GASKET	EA	1
5	18	XBOZZ		13217E2368	97403	PANEL BOX	EA	1
5	19	PAOZZ	5310-00-950-1310	MS27183-4	96906	WASHER, FLAT	EA	14
5	20	PAOZZ	5305-00-983-6730	MS35206-218	96906	SCREW, MACHINE	EA	18
5	21	PAOZZ	5305-00-995-3444	MS35207-266	96906	SCREW, MACHINE	EA	1
5	22	PAOZZ	5310-00-014-5850	MS27183-42	96906	WASHER, FLAT	EA	1
5	23	PAOZZ	5950-00-433-6017	13214E3818-6	97403	TRANSFORMER, POWER	EA	1
5	24	PAOZZ	5305-00-984-6195	MS35206-247	96906	SCREW, MACHINE	EA	1
5	25	XBOZZ		13214E3685-2	97403	INSULATOR, PLATE	EA	1
5	26	XBOZZ		NAS1523C3F	88044	PACKING, PREFORMED	EA	8
5	27	PAOZZ	5305-00-989-6265	MS35207-262	96906	SCREW, MACHINE	EA	8
5	28	PAOZZ	5310-00-934-9751	MS35650-302	96906	NUT, PLAIN, HEXAGON	EA	1
5	29	PAOZZ	5310-00-880-9334	13211E8337	97403	WASHER, RETAINING	EA	4
5	30	XBOZZ		13220E5616	97403	PLATE, CONNECTOR	EA	1
5	31	PAOZZ	5305-01-018-5590	13214E3744W5	97403	SCREW, PANEL	EA	4
5	32	PAOZZ	5310-00-550-1130	MS35333-40	96906	WASHER, LOCK	EA	4
5	33	PAOZZ	5305-00-984-4982	MS35206-225	96906	SCREW, MACHINE	EA	6
5	34	PAOZZ	5310-00-045-4007	MS35338-41	96906	WASHER, LOCK	EA	6
5	35	XBOZZ		13215E9822	97403	COVER, CIRCUIT	EA	1
5	36	PAOZZ	5925-00-236-2350	13216E6205-4	97403	CIRCUIT BREAKER	EA	1
5	37	PAOZZ		13220E5615-1	97403	ARM, ACTUATOR	EA	1
5	38	PAOZZ	5305-01-018-5590	13214E3744W5	97403	SCREW, PANEL	EA	4
5	39	XBOZZ		NAS1523C4F	80205	PACKING, PREFORMED	EA	4

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION  USABLE ON CODE	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM		U/M	QTY INC IN UNIT
5	40	XBOZZ		13215E9893	97403	COVER, JUNCTION BOX	EA	1
5	41	PAOZZ	5310-00-880-9344	13211E8337	97403	WASHER, RETAINER	EA	4
5	42	PAOZZ	5320-00-845-9501	MS20600B4W4	96906	RIVET, BLIND	EA	6
5	43	XBOZZ		13217E2341	97403	PLATE, INSTRUCTION	EA	1
5	44	PAOZZ	5305-00-984-4976	MS35206-219	96906	SCREW, MACHINE	EA	4
5	45	XBOZZ		37T86	81349	TERMINAL, BOARD	EA	1
5	46	PAOZZ	5310-00-889-2549	MS21045-08	96906	NUT, SELF-LOCKING	EA	12
5	47	PAOZZ	5945-00-549-6348	MS24192D1	96906	RELAY, ARMATURE	EA	2
5	48	XBOZZ		13213E0636	97403	TERMINAL BOARD	EA	1
5	49	PAOZZ	5310-00-889-2543	MS21045-04	96906	NUT, SELF-LOCKING	EA	4
5	50	PAOZZ	5961-00-106-5259	13214E3652	97403	RECTIFIER	EA	1
5	51	PAOZZ	5920-00-939-5442	13211E3785	97403	FUSE, CARTRIDGE	EA	1
5	52	PAOZZ	5305-00-059-4552	MS35190-237	96906	SCREW, MACHINE	EA	4
5	53	XBOZZ		13214E3811	97403	FUSE HOLDER	EA	1
5	54	PAOZZ	5920-00-280-3175	P09B250V16-10A	81349	FUSE, CARTRIDGE	EA	2
5	55	XBOZZ		13211E3784	97403	FUSE, HOLDER	EA	1
5	56	XBOZZ		13217E2367	97403	JUNCTION BOX	EA	1



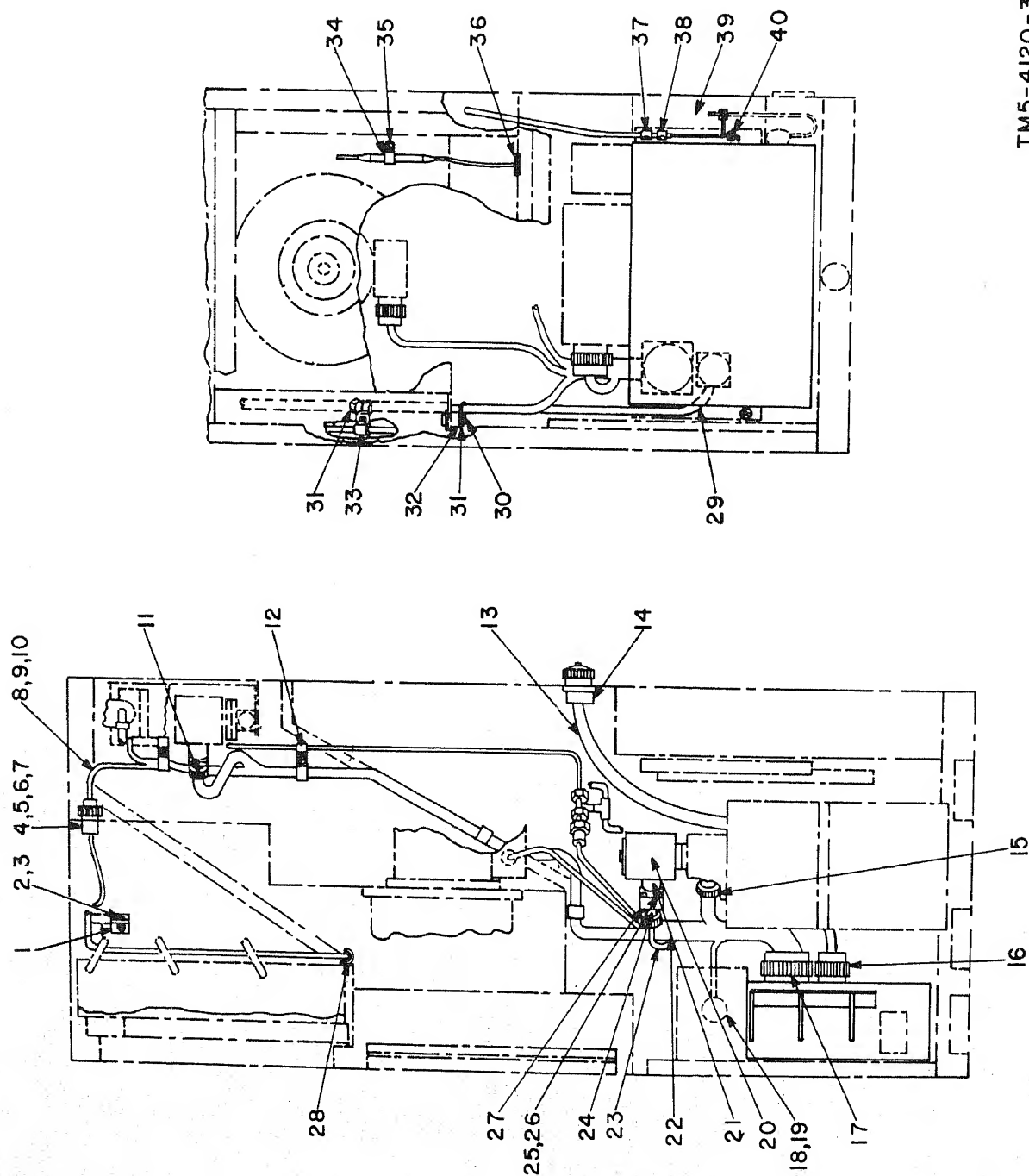


Figure 6. Wiring.

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
GROUP 07 - WIRING							EA	1
6	1	PAOZZ	5930-01-054-4128	13215E9884	97403	SWITCH, THERMOSTATIC	EA	1
6	2	PAOZZ	5305-00-984-6192	MS35206-244	96906	SCREW, MACHINE	EA	4
6	3	PAOZZ	5310-00-889-2549	MS21045-08	96906	NUT, SELF-LOCKING	EA	4
6	4	XBOZZ		13215E9919	97403	WIRING HARNESS	EA	1
6	5	PAOZZ	5935-00-823-0272	MS3100R14S-6P	96906	CONNECTOR, RECEPTACLE	EA	1
6	6	PAOZZ	5975-00-074-2072	MS3367-1-9	96906	STRAP CABLE	EA	6
6	7	PAOZZ	5940-00-143-4780	MS25036-108	96906	TERMINAL LUG	EA	12
6	8	PAOZZ	5935-00-721-0488	MS3106R14S-6S	96906	CONNECTOR, PLUG	EA	1
6	9	PAOZZ	5940-00-143-4774	MS25036-153	96906	TERMINAL LUG	EA	2
6	10	PAOZZ	5975-00-074-2072	MS3367-1-9	96906	STRAP, CABLE	EA	12
6	11	PAOZZ	5935-00-846-2329	MS3106R20-27S	96906	CONNECTOR, PLUG	EA	1
6	12	PAOZZ	5340-00-253-5335	MS21104D2	96906	CLAMP, LOOP	EA	3
6	13	XBOZZ		13215E9862	97403	WIRING HARNESS	EA	1
6	14	PAOZZ	5935-00-846-2328	MS3106R22-22S	96906	CONNECTOR, PLUG	EA	1
6	15	PAOZZ	5935-00-682-0552	MS3106R28-11S	96906	CONNECTOR, PLUG	EA	1
6	16	PAOZZ	5935-00-853-2543	MS3100R22-22P	96906	CONNECTOR, PLUG	EA	1
6	17	PAOZZ	5935-00-846-5602	MS3106R36-7P	96906	CONNECTOR, PLUG	EA	1
6	18	PAOZZ	5935-00-816-8646	MS3106R20-15S	96906	CONNECTOR, PLUG	EA	1
6	19	PAOZZ	5940-00-143-4777	MS25036-157	96906	TERMINAL LUG	EA	1
6	20	PAFZZ	4810-00-433-0763	13214E3971	97403	VALVE, SOLENOID	EA	2
6	21	XBFZZ		13214E0696	97403	ADAPTER	EA	2
6	22	XBOZZ		13215E9918	97403	WIRING HARNESS	EA	1
6	23	PAOZZ	5935-00-725-4638	MS3106R12S-3S	96906	CONNECTOR, PLUG	EA	2
6	24	PAFZZ	5935-00-801-6615	MS3102R12S3P	96906	CONNECTOR, RECEPTACLE	EA	2
6	25	PAOZZ	5305-00-984-4979	MS35206-222	96906	SCREW, MACHINE	EA	4
6	26	PAOZZ	5310-00-088-0551	MS21044N04	96906	NUT, SELF-LOCKING	EA	4
6	27	XBFZZ		MS51007-3	96906	GASKET	EA	2
6	28	XBOZZ		13211E8227	97403	CLIP	EA	6
6	29	XBOZZ		13217E2342	97403	WIRING HARNESS	EA	1
6	30	PAOZZ	5305-00-995-3442	MS35207-268	96906	SCREW, MACHINE	EA	12
6	31	PAOZZ	5340-00-105-8328	MS21104D6	96906	CLAMP, LOOP	EA	4
6	32	XBOZZ		13211E8376-1	97403	SPACER, SLEEVE		
6	33	PAOZZ	5340-00-106-0549	MS21104D4	96906	CLAMP, LOOP		
6	34	PAOZZ	5340-00-143-0083	MS21104D5	96906	CLAMP, LOOP		
6	35	PAOZZ	5305-00-984-6194	MS35206-246	96906	SCREW, MACHINE		
6	36	XBOZZ		13211E8222	97403	GROMMET		
6	37	PAOZZ	5340-00-078-3615	MS21322-33	96906	CLAMP, LOOP		
6	38	PAOZZ	5305-00-990-6444	MS35207-261	96906	SCREW, MACHINE		
6	39	XBFZZ		13219E2656	97403	BRACE		
6	40	XBFZZ		13217E6817	97403	END F		

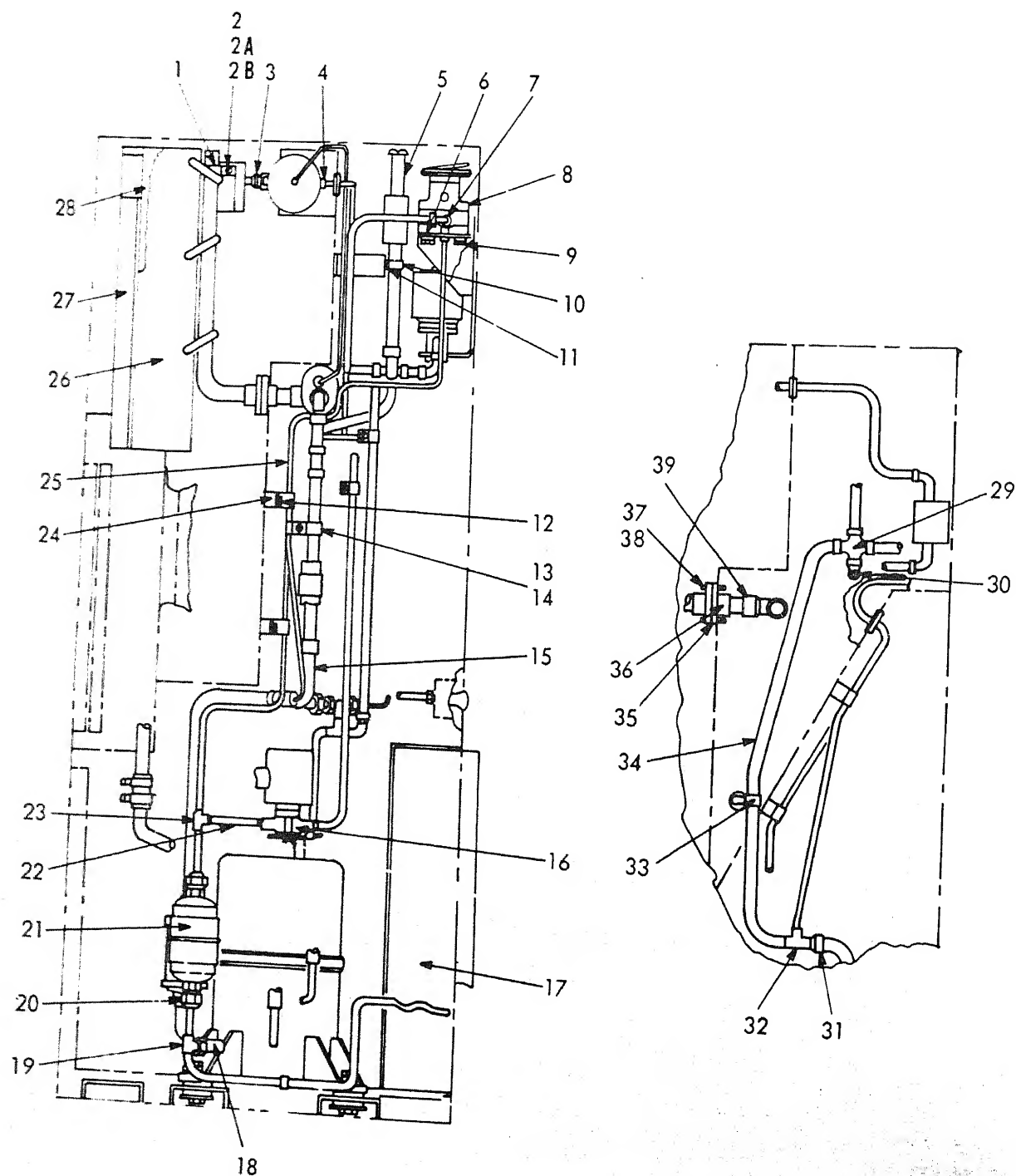
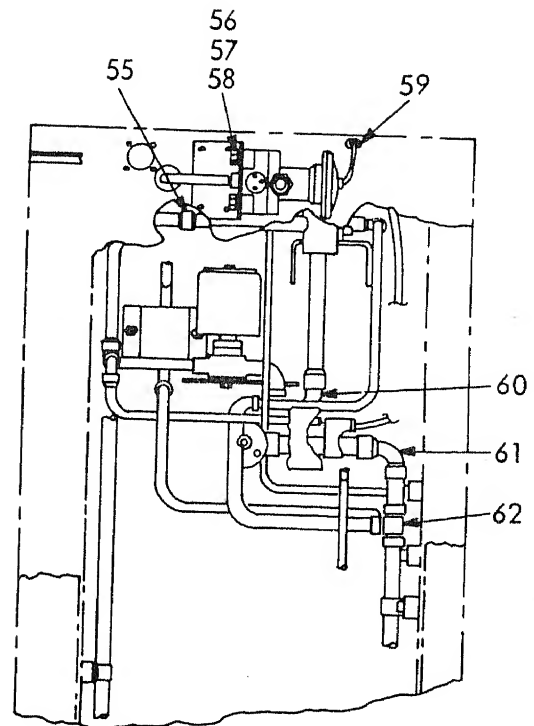
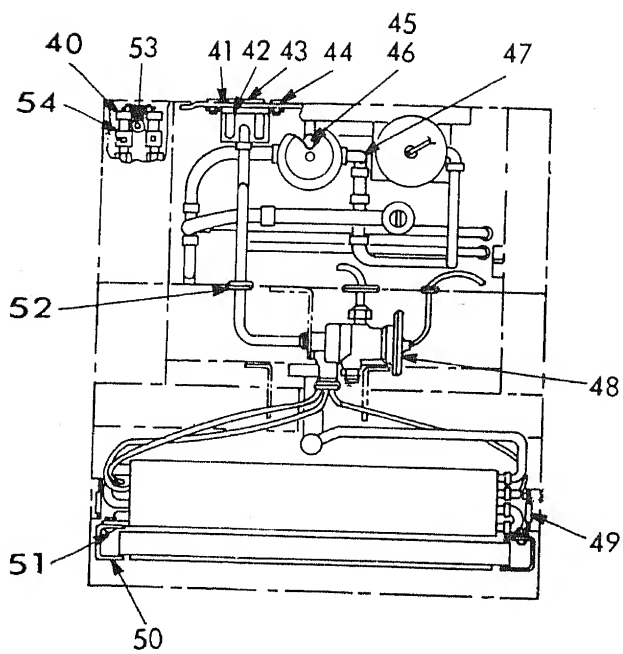
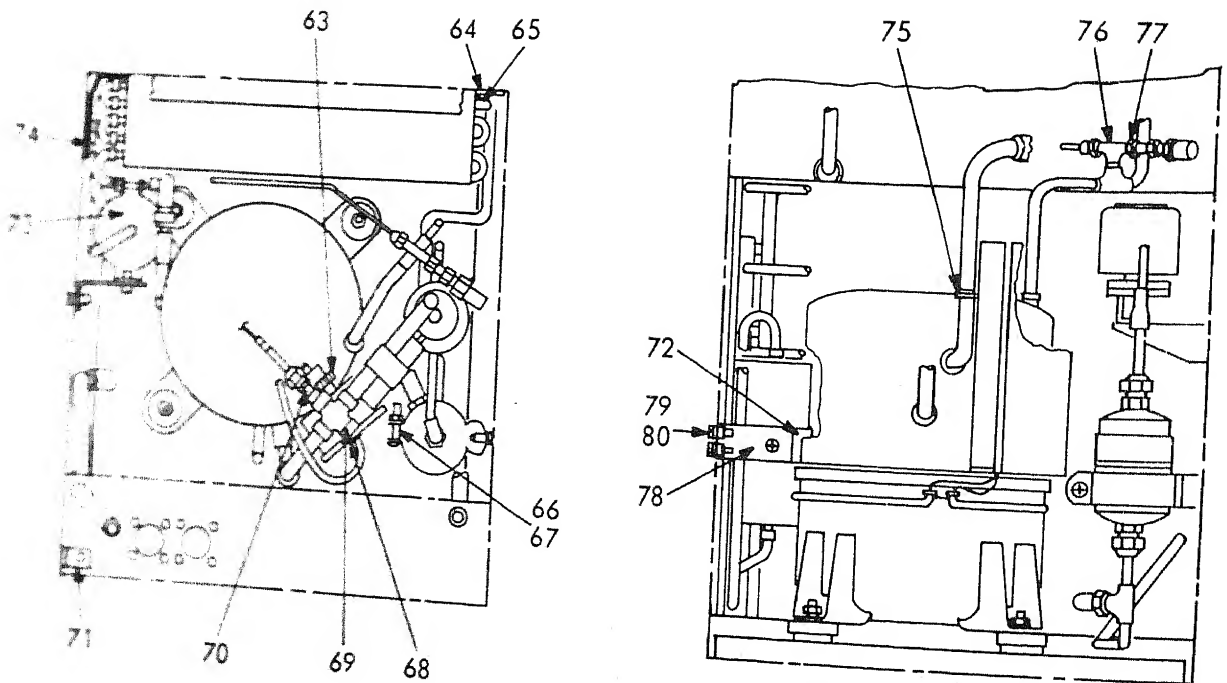


Figure 7. Refrigerant Piping and Components (Sheet 1 of 4).



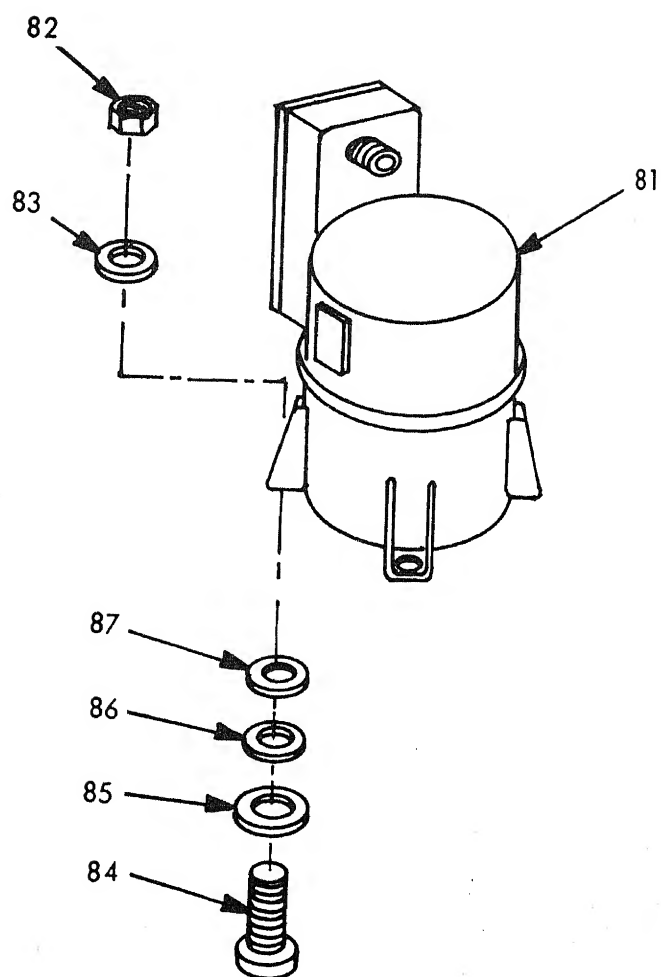
TM5-4120-350-24P/7②

Figure 7. Refrigerant Piping and Components (Sheet 2 of 4).



TM5-4120-350-24P/7 (3)

Figure 7. Refrigerant Piping and Components (Sheet 3 of 4).



TM5-4120-350-24P/7④

Figure 7. Refrigerant Piping and Components (Sheet 4 of 4).

TMS-4120-350-24F

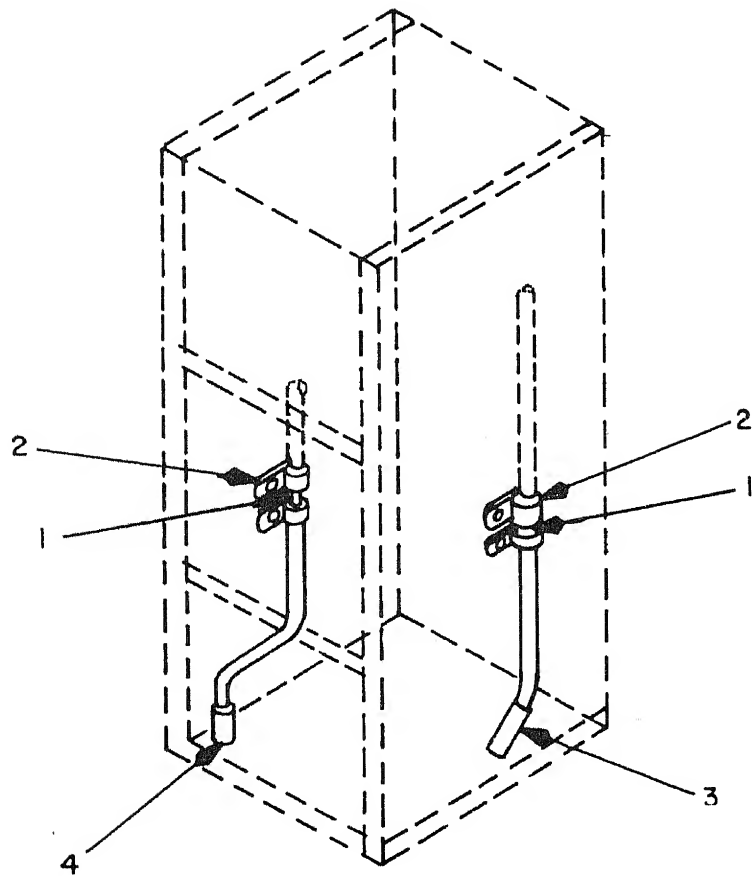
ILLUSTRATION		I		(4)	(5)	(6)	(7)	(8)
FIG NO	REV NO	IMP CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
							U/M	
						GROUP 08 - GAS COMPRESSOR, REFRIGERANT PIPING AND COMPONENT		
7	1	PAC12	5340-00-106-0552	MS21104D12	96906	CLAMP, LOOP	EA	1
7	2	PAC12	5310-00-934-9757	MS35649-282	96906	NUT, PLAIN, HEXAGON	EA	1
7	2A	PAC12	5305-00-984-6193	MS35206-245	96906	SCREW, MACHINE	EA	1
7	1B	PAC12	5310-00-045-3299	MS35338-42	96906	WASHER, LOCK	EA	2
7	3	XBF12		13214E3986	97403	DISTRIBUTOR	EA	1
7	4	PAF12	4730-00-189-2737	MS35872-2	96906	NUT, FLARE	EA	3
7	5	PAF12	4820-00-404-1517	13211E3800	97403	VALVE, PRESSURE	EA	1
7	6	XBF12		13211E8376-3	97403	SPACER, SLEEVE	EA	4
7	7	XBF12		13216E6176-2	97403	ELBOW, TUBE	EA	1
7	8	PAF12	4820-01-055-1283	13214E3785-1	97403	VALVE, EXPANSION	EA	1
7	9	PAC12	5310-00-087-7493	MS27183-13	96906	WASHER, FLAT	EA	4
7	10	XBC12		MS21315-22	96906	STRAP, RETAINING	EA	1
7	11	PAC12	5305-00-889-3000	MS35206-230	96906	SCREW, MACHINE	EA	4
7	12	PAC12	5305-00-995-3441	MS35207-269	96906	SCREW, MACHINE	EA	2
7	13	PAC12	5340-00-106-0551	MS21104D10	96906	CLAMP, LOOP	EA	1
7	14	XBF12		13211E3799-2	97403	BUSHING, SLEEVE	EA	1
7	15	XBF12		ASTMB280-625D1A	81346	TUBE	EA	20
7	16	XBF12		13214E4224-5	97403	VALVE ASSEMBLY	EA	1
7	17	PAF12	4130-00-550-2857	13215E9837	97403	COIL, CONDENSER	EA	1
7	18	PAF12	4820-00-073-8405	13211E8369	97403	VALVE, RELIEF	EA	1
7	19	XBF12		13214E3411-3	97403	TEE, PIPE	EA	2
7	20	PAF12	4730-00-189-2739	MS35872-3	96906	NUT, FLARE	EA	2
7	21	PAF12	4130-00-572-4709	13214E3793	97403	DEHYDRATOR	EA	1
7	22	XBF12		ASTMB280-375D1A	81346	TUBE	FT	30
7	23	XBC12		13211E4043-7	97403	TEE, PIPE	EA	1
7	24	XBC12		13211E8376-8	97403	SPACER	EA	2
7	25	XBF12		ASTMB280-250D1A	81346	TUBE	FT	30
7	26	PAF12	4130-00-550-2856	13215E9836	97403	COIL EVAPORATOR	EA	1
7	27	PAC12	4130-01-011-1217	13219E2647	97403	FILTERING PAD	EA	1
7	28	XBF12		13215E9889	97403	BRACKET, COIL	EA	1
7	29	XBF12		13211E8370	97403	CROSS, BOSS	EA	1
7	30	XBF12		13211E3799-3	97403	BUSHING, SLEEVE	EA	5
7	31	XBF12		13211E3799-5	97403	BUSHING, SLEEVE	EA	1
7	32	XBF12		13211E4043-12	97403	TEE-PIPE	EA	1
7	33	PAC12	5340-00-106-0550	MS21104D8	96906	CLAMP, LOOP	EA	3
7	34	XBC12		ASTMB280-500D1A	81346	TUBE	FT	25
7	35	XBF12		13211E8394-1	97403	O RING	EA	1
7	36	XBF12		13211E8233	97403	FLANGE	EA	1
7	37	PAC12	5310-00-582-5965	MS35338-48	96906	WASHER, LOCK	EA	3
7	38	PAC12	5305-00-978-9385	MS16997-62	96906	SCREW, CAP, HEXAGON HEAD	EA	1
7	39	XBF12		13216E6190-5	97403	ELBOW, TUBE	EA	1
7	40	PAC12		13219E9540	97403	CAP AND CHAIN	EA	2

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)		
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION		
7	41	XBFZZ		13211E8255	97403	GASKET	EA	1
7	42	XBFZZ		13211E8242	97403	SPACER, SLEEVE	EA	1
7	43	PAFZZ	4130-00-073-0404	13211E8218	97403	SIGHT GLASS	EA	1
7	44	XBFZZ		13211E8245	97403	BRACKET	EA	1
7	45	XBFZZ		13214E4224-6	97403	VALVE ASSEMBLY	EA	1
7	46	XBFZZ		NAB125363F	80205	PACKING, PREFORMED	EA	1
7	47	XBFZZ		13216E6176-3	97403	ELBOW, TUBE	EA	1
7	48	PAFZZ	4120-00-017-4248	13215E9839	97403	VALVE, EXPANSION	EA	1
7	49	XBFZZ		13215E9827	97403	BRACKET, COIL	EA	2
7	50	XBOZZ		13219E2648	97403	BRACKET	EA	14
7	51	PAOZZ	5305-00-989-7434	MS35207-263	96906	SCREW, MACHINE	EA	1
7	52	PAFZZ	5325-00-291-9366	MS35489-11	96906	GROMMET	EA	2
7	53	PAFZZ	4820-00-015-6690	13219E9499-1	97403	VALVE, SERVICE	EA	1
7	54	PAOZZ	5305-00-984-6193	MS35206-245	96906	SCREW, MACHINE	EA	2
7	55	XBFZZ		13211E3799-5	97403	BUSHING, SLEEVE	EA	2
7	56	PAOZZ	5310-00-959-4675	MS35340-46	96906	WASHER, LOCK	EA	4
7	57	PAOZZ	5310-00-087-7493	MS27183-13	96906	WASHER, FLAT	EA	2
7	58	PAOZZ	5365-01-040-1488	13211E8376-3	97403	SPACER, SLEEVE	EA	1
7	59	XBFZZ		MS35489-1	96906	GROMMET	EA	1
7	60	XBFZZ		13216E9963-2	97403	ELBOW, TUBE	EA	1
7	61	XBFZZ		13215E9864-5	97403	ELBOW, TUBE	EA	1
7	62	XBFZZ		13211E4043-20	97403	TEE, PIPE	EA	2
7	63	XBFZZ		13211E3799-4	97403	ELBOW, TUBE	EA	2
7	64	XBFZZ		13215E9887	97403	BRACKET COIL	EA	8
7	65	PAOZZ	5305-00-957-7811	MS246938272	96906	SCREW, MACHINE	EA	2
7	66	PAOZZ	5305-00-088-8923	MS35207-285	96906	SCREW, MACHINE	EA	2
7	67	PAOZZ	5310-00-043-0520	MS35650-3252	96906	NUT, PLAIN, HEXAGON	EA	1
7	68	XBFZZ		13211E3799-1	97403	BUSHING, SLEEVE	EA	1
7	69	XBFZZ		13218E6857	97403	CROSS	EA	1
7	70	PAOZZ	4730-01-022-3155	MS35919-23	96906	ADAPTER	EA	2
7	71	XBFZZ		13219E2654	97403	ANGLE	EA	2
7	72	XBFZZ		13211E8406	97403	BRACKET, RECEIVER	EA	1
7	73	XBFZZ		13215E9833	97403	RECEIVER	EA	1
7	74	XBFZZ		13215E9888	97403	BRACKET, COIL	EA	1
7	75	XBFZZ		13211E3799-8	97403	BUSHING, SLEEVE	EA	1
7	76	PAOZZ	4730-00-289-4202	MS35871-2-2F	96906	TEE, PIPE	EA	1
7	77	XBFZZ		8AE7513	81343	FITTING, TUBE	EA	1
7	78	XBFZZ		13220E5619	97403	BRACKET, RECEIVER	EA	4
7	79	PAOZZ	5310-00-582-5963	MS35338-44	96906	WASHER, LOCK	EA	1
7	80	PAOZZ	5305-00-993-2463	MS35207-281	96906	SCREW, MACHINE	EA	1
7	81	PAOZZ	4130-00-139-3372	13211E3793-5	97403	COMPRESSOR UNIT, REF	EA	4
7	82	PAOZZ	5310-00-880-7746	MS51967-5	96906	NUT, PLAIN, HEXAGON	EA	1
7	83	PAOZZ	5310-00-167-0767	AN970-5	88044	WASHER, FLAT	EA	8



TMS-4120-350-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
7	84	PACZZ	5306-00-235-4727	13211E8166	97403	SCREW, MACHINE		EA 4
7	85	PACZZ	3120-00-410-6718	13211E8169	97403	BUSHING, SLEEVE		EA 4
7	86	PACZZ	5310-00-167-0768	AN970-6	88044	WASHER, FLAT		EA 8
7	87	PACZZ	5310-00-401-3365	13211E8170	97403	WASHER, SHOULDER		EA 8





## SECTION IV

## NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5945-00-007-7669	5	2	5935-00-721-0488	6	8
4730-00-007-9399	1	63	5935-00-725-4638	6	23
5310-00-014-5850	5	22	5315-00-730-4564	2	4
4820-00-015-6690	7	53	5315-00-730-4577	2	9
4120-00-017-4248	7	48	5310-00-765-3197	1	7
			5310-00-765-3197	5	5
5310-00-043-0520	7	67	5935-00-801-6615	6	24
5310-00-045-3296	1	61	5310-00-802-8544	4	6
5310-00-045-3299	1	50	5935-00-804-5816	5	15A
5310-00-045-3299	7	2B	5310-00-809-4058	2	7
5310-00-045-4007	1	14A	5310-00-809-4061	2	13
5310-00-045-4007	5	34	5310-00-809-8546	4	26
5305-00-059-4552	5	52	5935-00-816-8646	6	18
5310-00-061-7326	4	25	5935-00-818-7448	4	2
5305-00-068-0514	1	64	5935-00-823-0272	6	5
4310-00-073-8404	7	43	5935-00-824-7883	5	6A
4820-00-073-8405	7	18	5330-00-828-3628	4	38
5975-00-074-2072	6	6	5320-00-845-9501	1	38
5975-00-074-2072	6	10	5320-00-845-9501	5	45
5340-00-078-3615	6	37	5320-00-845-9501	4	42
5310-00-080-6004	2	17	5935-00-846-2328	4	37
5321-00-080-6004	4	21	5935-00-846-2328	1	14
5310-00-082-1404	4	35	5935-00-846-2328	6	11
5935-00-087-1667	1		5935-00-846-5602	6	17
5310-00-087-7493	7	9	5935-00-853-2543	6	16
5310-00-087-7493	7	57	4130-00-878-0103	3	2
5310-00-088-0551	6	26	5310-00-877-5798	1	8
5305-00-088-8923	7	66	5310-00-880-7744	7	82
5340-00-105-8328	6	31	5310-00-880-9344	1	25
5340-00-106-0549	6	33	5310-00-880-9334	5	29
5340-00-106-0550	7	33	5310-00-880-9344	5	41
5340-00-106-0551	7	13	5305-00-881-0705	2	15
5340-00-106-0552	7	1	5310-00-889-2543	2	6
5961-00-106-5259	5	50	5310-00-889-2543	4	33
5320-00-117-6828	1	28	5310-00-889-2543	5	49
5320-00-117-6838	1	30	5310-00-889-2543	4	31
5920-00-133-0451	5	13	5310-00-889-2544	4	34
5925-00-133-0451	5	16	5310-00-889-2544	4	13
4130-00-139-3372	7	81	5310-00-889-2549	5	4A
5340-00-143-0083	6	34	5310-00-889-2549	5	46
5940-00-143-4700	4	8	5310-00-889-2549	6	3
5940-00-143-4774	4	9	5305-00-889-3000	7	11
5940-00-143-4774	5	10	5305-00-889-3001	4	1
5940-00-143-4774	6	9	5305-00-889-3001	4	36
5940-00-143-4777	6	19	4730-00-908-3195	8	2
5940-00-143-4780	5	11	5930-00-911-9095	1	76
5940-00-143-4780	5	12	5930-00-923-4176	4	17
5940-00-143-4780	6	7	6150-00-929-5561	1	11
5310-00-167-0767	7	83	5310-00-934-9739	4	54
5310-00-167-0768	7	86	5310-00-934-9751	4	27
5330-00-170-0127	1	2	5310-00-934-9751	5	28
4730-00-189-2737	7	4	5310-00-934-9757	7	2
4730-00-189-2739	7	20	5325-00-938-5913	1	32
5306-00-235-4727	7	84	5920-00-939-5442	5	51
5925-00-236-2350	5	36	5310-00-950-1310	4	32
5930-00-236-2351	4	20	5310-00-950-1310	5	19
5905-00-252-1047	4	19	5305-00-957-2640	2	10
5340-00-253-5335	6	12	5305-00-957-7811	7	65
5325-00-263-6632	1	73	5310-00-959-4675	2	16
5930-00-275-7800	1	75	5310-00-959-4675	7	56
5920-00-280-3175	5	54	5305-00-978-9385	7	38
4730-00-289-4202	7	76	4130-00-981-6615	1	71
5325-00-291-9366	7	52	5305-00-983-6730	4	39
5310-00-401-1420	2	19	5305-00-983-6730	5	20
5310-00-401-3365	7	87	5305-00-984-4976	5	44
4820-00-404-1517	7	5	5305-00-984-4979	6	25
3120-00-410-6718	7	81	5305-00-984-4982	5	33
3120-00-410-6718	7	85	5305-00-984-4984	1	72
5945-00-430-6933	5	3	5305-00-984-4986	5	1
4810-00-433-0763	6	20	5305-00-984-6192	6	2
5950-00-433-6017	5	23	5305-00-984-6194	6	35
5930-00-463-3064	1	74	5305-00-984-6193	1	3
5310-00-530-9963	1	17	5305-00-984-6193	1	14
5310-00-530-9963	1	33	5305-00-984-6193	7	2A
5310-00-543-2009	1	65	5305-00-984-6193	7	54
5310-00-543-2410	1	55	5305-00-984-6196	1	60
5945-00-549-6348	5	47	5305-00-984-6195	1	49
5310-00-550-1130	5	32	5305-00-984-6195	4	11
4130-00-550-2856	7	26	5305-00-984-6195	5	24
4130-00-550-2857	7	17	5305-00-984-7341	1	12
4140-00-550-2994	2	2	5305-00-984-7441	1	24
4130-00-550-2995	4		5305-00-989-7434	7	51
4130-00-572-4709	7	21	5305-00-989-7435	1	11
5320-00-582-3304	4	29	5305-00-989-7435	1	21
5310-00-582-5965	7	37	5305-00-989-6265	4	14
5310-00-582-5965	7	79	5305-00-989-6265	5	27
5310-00-627-6128	4	22	5325-00-990-4249	1	6
5935-00-682-0552	6	15			
5930-00-683-1628	4	23			

SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
4730-01-022-3155	6	38	5305-01-025-5771	7	70
5105-01-038-8309	7	80	5365-01-040-1488	1	52
5105-01-038-8309	7	12	5915-01-051-2774	2	8
5105-01-038-8309	6	30	5930-01-054-4128	7	58
5105-01-038-8309	4	5	5961-01-055-2188	1	9
5105-01-038-8309	5	21	4820-01-055-1283	6	1
5105-01-038-8309	7	27	4120-01-062-0698	5	4
5105-01-038-8309	5	31		7	8
5105-01-038-8309	5	38		1	22

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
AN970-5	88044	7	83	MS3106R22-225	96906	1	
AN970-6	88044	7	86	MS3102R28-11P	96906	4	2
ASTMB280-25DIA	81346	7	25	MS3102R36-75	96906	5	6A
ASTMB280-37DIA	81346	7	22	MS3367-1-9	96906	6	6
ASTMB280-50DIA	81346	7	34	MS3367-1-9	96906	6	10
ASTMB280-62DIA	81346	7	15	MS35190-237	96906	5	52
PC9825776-10A	81349	5	54	MS35191-273	96906	1	12
MS1123013-5	96906	4	18	MS35191-294	96906	2	10
MS112795-710	96906	1	65	MS35206-217	96906	1	52
MS112795-710	96906	4	6	MS35206-218	96906	4	39
MS16997-62	96906	7	38	MS35206-219	96906	5	20
MS21066-143	96906	2	4	MS35206-222	96906	5	44
MS21066-147	96906	2	9	MS35206-225	96906	6	25
MS21066-147	96906	1	30	MS35206-227	96906	5	33
MS21066-147	96906	1	28	MS35206-228	96906	1	72
MS21066-147	96906	4	29	MS35206-230	96906	5	1
MS21066-147	96906	5	42	MS35206-231	96906	7	11
MS21066-147	96906	1	38	MS35206-244	96906	4	36
MS21066-147	96906	1	45	MS35206-245	96906	6	2
MS21066-147	96906	6	26	MS35206-245	96906	1	3
MS21066-147	96906	1	8	MS35206-245	96906	1	14
MS21066-147	96906	4	25	MS35206-245	96906	7	2A
MS21066-147	96906	2	6	MS35206-245	96906	7	54
MS21066-147	96906	5	49	MS35206-247	96906	6	35
MS21066-147	96906	31		MS35206-247	96906	1	49
MS21066-147	96906	4	34	MS35206-247	96906	4	11
MS21066-147	96906	13		MS35206-248	96906	5	24
MS21066-147	96906	5	4A	MS35207-261	96906	1	60
MS21066-147	96906	5	46	MS35207-262	96906	6	38
MS21066-147	96906	6	3	MS35207-262	96906	4	14
MS21066-147	96906	6	12	MS35207-263	96906	5	27
MS21066-147	96906	6	33	MS35207-264	96906	7	51
MS21066-147	96906	6	34	MS35207-264	96906	1	11
MS21066-147	96906	6	31	MS35207-266	96906	1	21
MS21066-147	96906	7	13	MS35207-266	96906	4	5
MS21066-147	96906	7	1	MS35207-266	96906	5	21
MS21066-147	96906	4	15	MS35207-268	96906	6	30
MS21066-147	96906	7	10	MS35207-269	96906	7	12
MS21066-147	96906	6	37	MS35207-281	96906	7	80
MS21066-147	96906	5	47	MS35207-285	96906	7	66
MS21066-147	96906	4	23	MS35333-40	96906	5	32
MS21066-147	96906	4	7	MS35333-35	96906	4	22
MS21066-147	96906	4	8	MS35333-40	96906	1	55
MS21066-147	96906	4	9	MS35333-41	96906	1	14A
MS21066-147	96906	5	11	MS35333-41	96906	5	34
MS21066-147	96906	5	10	MS35333-42	96906	1	50
MS21066-147	96906	5	12	MS35333-43	96906	7	2B
MS21066-147	96906	5	13	MS35333-44	96906	1	61
MS21066-147	96906	5	16	MS35333-48	96906	7	79
MS21066-147	96906	6	7	MS35340-46	96906	7	37
MS21066-147	96906	6	9	MS35340-46	96906	2	16
MS21066-147	96906	1	53	MS35489-1	96906	7	56
MS21066-147	96906	4	32	MS35489-1	96906	4	12
MS21066-147	96906	5	19	MS35489-6	96906	7	59
MS21066-147	96906	4	35	MS35489-11	96906	1	73
MS21066-147	96906	4	26	MS35649-242	96906	7	52
MS21066-147	96906	2	7	MS35649-282	96906	1	54
MS21066-147	96906	7	9	MS35650-302	96906	7	2
MS21066-147	96906	7	57	MS35650-302	96906	4	27
MS21066-147	96906	2	17	MS35650-3252	96906	5	28
MS21066-147	96906	4	21	MS35792-1	96906	7	67
MS21066-147	96906	2	13	MS35842-10	96906	1	13
MS21066-147	96906	1	7	MS35871-2-2F	96906	8	2
MS21066-147	96906	5	5	MS35872-2	96906	7	76
MS21066-147	96906	5	22	MS35872-3	96906	7	4
MS21066-147	96906	6	24	MS35919-23	96906	7	20
MS21066-147	96906	6	23	MS51007-3	96906	7	70
MS21066-147	96906	6	5	MS51007-8	96906	6	27
MS21066-147	96906	6	8	MS51007-8	96906	1	56
MS21066-147	96906	4	37	MS51007-8	96906	4	41
MS21066-147	96906	6	11	MS51007-10	96906	5	17
MS21066-147	96906	1		MS51007-10	96906	4	4
MS21066-147	96906	5	15A	MS51007-13	96906	4	38
					96906	5	14

## SECTION IV

## NATIONAL STOCK NUMBER AND PART NUMBER INDEX

PART NUMBER	FSC	ITEM NO.	PART NUMBER	FSC	FIG. NO.	ITEM NO.
MS51967-4	97403	82	13215E9822	97403	5	35
MS51975-17	97403	15	13215E9823	97403	1	70
MS90727-7	97403	64	13215E9824-1	97403	2	19
MS91528-204B	97403	10	13215E9827	97403	7	49
NAB125161P	97403	46	13215E9825	97403	1	62
NAB1521008P	97403	2	13215E9833	97403	7	23
NAB1521013P	97403	26	13215E9836	97403	7	26
NAB1521041P	97403	19	13215E9837	97403	1	26
RCR3262743B	97403	19	13215E9837	97403	7	17
SAE7511	97403	77	13215E9839	97403	7	48
11A50PT	97403	35	13215E9841	97403	1	69
13214E1728-6	97403	8	13215E9844	97403	1	41
13211E3789-1	97403	68	13215E9847	97403	1	39
13211E3799-2	97403	14	13215E9851	97403	4	42
13211E3799-3	97403	30	13215E9852	97403	1	40
13211E3799-4	97403	63	13215E9853	97403	4	3
13211E3799-5	97403	31	13215E9854	97403	1	36
13211E3799-6	97403	55	13215E9857	97403	1	1
13211E3799-8	97403	75	13215E9858	97403	1	57
13211E3800	97403	5	13215E9860-4	97403	1	46
13211E3784	97403	55	13215E9864-5	97403	7	61
13211E3785	97403	51	13215E9865	97403	1	66
13211E3802	97403	3	13215E9866	97403	5	15
13211E4043-7	97403	23	13215E9868	97403	2	2
13211E4043-12	97403	32	13215E9878-3	97403	1	29
13211E4043-20	97403	62	13215E9879	97403	5	6
13211E8166	97403	84	13215E9881	97403	5	4
13211E8169	97403	81	13215E9884	97403	6	1
13211E8169	97403	85	13215E9885	97403	4	64
13211E8170	97403	87	13215E9887	97403	7	74
13211E8178	97403	63	13215E9888	97403	7	28
13211E8183	97403	51	13215E9889	97403	1	40
13211E8210	97403	34	13215E9892	97403	5	4
13211E8215	97403	42	13215E9893	97403	1	32
13211E8216	97403	43	13215E9909-17	97403	1	16
13211E8218	97403	1	13215E9909-10	97403	1	44
13211E8221	97403	2	13215E9917	97403	6	22
13211E8222	97403	36	13215E9918	97403	6	4
13211E8224	97403	71	13215E9919	97403	5	3
13211E8227	97403	28	13215E9921	97403	7	7
13211E8233	97403	36	13216E6176-2	97403	7	47
13211E8242	97403	42	13216E6176-3	97403	5	2
13211E8255	97403	41	13216E6182-3	97403	7	39
13211E8245	97403	44	13216E6190-5	97403	5	8
13211E8288	97403	10	13216E6191-3	97403	5	7
13211E8300-1	97403	5	13216E6191-2	97403	5	9
13211E8300-2	97403	2	13216E6192	97403	4	28
13211E8301-1	97403	18	13216E6201	97403	5	36
13211E8323	97403	17	13216E6205-4	97403	1	74
13211E8337	97403	1	13216E6290-1	97403	7	68
13211E8337	97403	25	13216E6293-2	97403	5	43
13211E8337	97403	29	13217E2341	97403	6	29
13211E8337	97403	41	13217E2342	97403	1	38
13211E8369	97403	18	13217E2343	97403	1	18
13211E8353-1	97403	2	13217E2343-1	97403	1	19
13211E8353-1	97403	1	13217E2343-4	97403	1	31
13211E8356	97403	12	13217E2344	97403	1	6
13211E8370	97403	29	13217E2346	97403	1	23
13211E8376-1	97403	32	13217E2366-2	97403	5	54
13211E8376-3	97403	6	13217E2367	97403	5	18
13211E8376-3	97403	7	13217E2368	97403	1	94
13211E8376-3	97403	58	13217E2368	97403	1	48
13211E8376-5	97403	14	13217E6815-3	97403	6	48
13211E8376-8	97403	24	13217E6816	97403	1	37
13211E8386	97403	17	13217E6817	97403	7	89
13211E8394-1	97403	35	13217E6853	97403	1	9
13211E8396	97403	33	13218E6857	97403	1	27
13211E8404	97403	75	13218E6877	97403	1	27
13211E8406	97403	72	13218E9879-2	97403	1	28
13213E0636	97403	48	13218E9879-1	97403	4	16
13214E3411-3	97403	19	13218E9892-1	97403	4	28
13214E3416	97403	1	13218E9893	97403	7	27
13214E3471-5	97403	15	13218E9895	97403	7	50
13214E3471-2	97403	59	13219E2647	97403	7	71
13214E3471-5	97403	40	13219E2648	97403	1	67
13214E3647-2	97403	5	13219E2654	97403	6	39
13214E3652	97403	50	13219E2655	97403	8	4
13214E3685-2	97403	25	13219E2656	97403	8	3
13214E3744W34	97403	24	13219E2681	97403	7	88
13214E3744W5	97403	31	13219E2682	97403	7	88
13214E3785-1	97403	38	13219E9499	97403	5	37
13214E3793	97403	7	13219E9540	97403	5	38
13214E3818-6	97403	21	13220E5615-1	97403	1	47
13214E3811	97403	23	13220E5616	97403	1	18
13214E3986-5	97403	53	13220E5617	97403	7	78
13214E4224-5	97403	7	13220E5618	97403	2	11
13214E4224-6	97403	45	13220E5619	97403	5	48
13214E4309	97403	76	13226E5892	97403	5	48
			37T86			



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# The Metric System and Equivalents

## Linear Measure

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

## Weights

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 dekagram = 10 grams = .35 ounce  
 1 hectogram = 10 dekagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

## Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 38.82 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

## Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inch  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. ft  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. ft  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.4  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

## Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inc  
 1 cu meter = 1000 cu. decimeters = 35.31 cu. feet

## Approximate Conversion Factors

To change	To	Multiply by	To change	To
inches	centimeters	2.540	ounce-inches	newton-meters
feet	meters	.305	centimeters	inches
yards	meters	.914	meters	feet
miles	kilometers	1.609	meters	yards
square inches	square centimeters	6.451	kilometers	miles
square feet	square meters	.093	square centimeters	square inches
square yards	square meters	.836	square meters	square feet
square miles	square kilometers	2.590	square meters	square yards
acres	square hectometers	.405	square kilometers	square miles
cubic feet	cubic meters	.028	square hectometers	acres
cubic yards	cubic meters	.765	cubic meters	cubic feet
fluid ounces	milliliters	29.573	cubic meters	cubic yards
pints	liters	.473	milliliters	fluid ounces
quarts	liters	.946	liters	pints
gallons	liters	3.785	li*	
ounces	grams	28.349	l*	
pounds	kilograms	.454		
short tons	metric tons	.907		
pound-feet	newton-meters	1.365		
pound-inches	newton-meters	.11375		

## Temperature (Exact)

Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature
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